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FORM PTO-1390
(REV. 5-93)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER
10191/2253

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/070973

INTERNATIONAL APPLICATION NO.
PCT/DE01/02145

INTERNATIONAL FILING DATE
(07.06.01)
7 June 2001

PRIORITY DATE(S) CLAIMED
(11.07.00)
11 July 2000

TITLE OF INVENTION
MICROPATTERNED THERMOSENSOR

APPLICANT(S) FOR DO/EO/US
PANNEK, Thorsten and TRAH, Hans-Peter

Applicant(s) herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) immediately rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1)
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau)
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired
 - d. ☒ have not been made and will not be made
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) (unsigned).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☒ A substitute specification and a marked up version thereof.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information International Search Report and Form PCT/RO/101.

Express Mail No **EV 003625615US**

U.S. APPLICATION NO. if known, see 37 C.F.R. 1.5 <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">10/070973</div>	INTERNATIONAL APPLICATION NO PCT/DE01/02145	ATTORNEY'S DOCKET NUMBER 10191/2253
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17. <input checked="" type="checkbox"/> The following fees are submitted: <div style="margin-top: 10px;"> Basic National Fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO \$890.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) ... \$710.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$740.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1,040.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) \$100.00 </div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px;">CALCULATIONS PTO USE ONLY</div>
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ENTER APPROPRIATE BASIC FEE AMOUNT =	\$ 890																									
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	\$																									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">Claims</th> <th style="width:20%;">Number Filed</th> <th style="width:20%;">Number Extra</th> <th style="width:20%;">Rate</th> <th style="width:20%;"></th> <th style="width:20%;"></th> </tr> <tr> <td>Total Claims</td> <td>14 - 20 =</td> <td>0</td> <td>X \$18.00</td> <td>\$ 0</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>2 - 3 =</td> <td>0</td> <td>X \$84.00</td> <td>\$ 0</td> <td></td> </tr> <tr> <td colspan="3">Multiple dependent claim(s) (if applicable)</td> <td>+ \$280.00</td> <td>\$ 0</td> <td></td> </tr> </table>	Claims	Number Filed	Number Extra	Rate			Total Claims	14 - 20 =	0	X \$18.00	\$ 0		Independent Claims	2 - 3 =	0	X \$84.00	\$ 0		Multiple dependent claim(s) (if applicable)			+ \$280.00	\$ 0			
Claims	Number Filed	Number Extra	Rate																							
Total Claims	14 - 20 =	0	X \$18.00	\$ 0																						
Independent Claims	2 - 3 =	0	X \$84.00	\$ 0																						
Multiple dependent claim(s) (if applicable)			+ \$280.00	\$ 0																						
TOTAL OF ABOVE CALCULATIONS =		\$ 890																								
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28)	\$																									
SUBTOTAL =		\$ 890																								
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).	\$																									
TOTAL NATIONAL FEE =		\$ 890																								
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) \$40.00 per property	\$																									
TOTAL FEES ENCLOSED =		\$ 890																								
	Amount to be refunded	\$																								
	charged	\$																								

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed

b. ☒ Please charge my Deposit Account No 11-0600 in the amount of \$890.00 to cover the above fees. A duplicate copy of this
sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit
Account No. 11-0600. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must
be filed and granted to restore the application to pending status

SEND ALL CORRESPONDENCE TO:

Kenyon & Kenyon
 One Broadway
 New York, New York 10004
 CUSTOMER NO. 26646

Richard L. Mayer

 SIGNATURE

Richard L. Mayer, Reg No 22,490
 NAME

MARCH 11, 2002

 DATE

Reg. No. 42,194